## **INFORMATION DISCLOSURE CITATION**

ATTY, DOCKET NO.

2551-123

10/606,879

SERIAL NO.

**APPLICANT** 

(Use several sheets if necessary)

STUYVER, et al. FILING DATE

GROUP

			June	24, 2003	1648					
			U.Ş	S. PATENT DOCUMENTS						
*EXAMINER INITIAL DOCUMENT NUMBER			DATE NAME		CLASS	SUBCLASS		DATE OPRIATE		
/B		US 2004-0029110 A1	2-2004	Stuyver et al						
		6,709,812	3-2004	Stuyver et al						
7	/	6,555,311	04/2003	Locarnini						
		2005-0175990	08/2005	Stuyver		<del></del>	-			
			FOR	<u>EIGN PATENT DOCUMENTS</u>	S					
		5001145117	2.75					LATION		
· · ·				COUNTRY	CLASS	SUBCLASS	YES	. NO		
/BP/		97/40193	10/1997	WO						
/BP/		94/26904	11/1994	WO		· · · · · · · · · · · · · · · · · · ·		ļ		
		·						ļ .		
		OTHER ROOM	CNITO (:	Ladia A. A. Titla D. (a. )	D 4: 4	L		<u> </u>		
Г	/BPV	OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)  BP/   File History (FH) of U.S. application Serial No. 09/155,885 retrieved from USPTO IFW June 14, 2007								
ŀ	101	File History (FH) of U.S. application Serial No. 10/453,792 retrieved from USPTO IFW June 14, 2007  File History (FH) of U.S. application Serial No. 10/453,792 retrieved from USPTO IFW June 14, 2007								
ŀ		Claims of U.S. Serial No. 11/802,328 filed May 22, 2007								
}	-H	Nature(1979), vol. 282, PASEK M <i>et al</i> , pp 575-9, "Hepatitis B virus genes and their expression in <i>E. Coli</i> "								
. [		Figure 2. copy contained in attached FH of Serial No. 10/453,792								
ſ		Nucleic Acids Research(1983), vol. 11(6), ONO Y et al, pp 1747-57, "The complete nucleotide of the cloned								
		hepatitis B virus DNA; subtype adr and adw" Figure 2 and 3. copy contained in attached FH of Serial No.								
}	-	J. General Virology (1988), vol. 69, VAUDIN M <i>et al</i> , pp 1383-9, "The complete nucleotide sequence of the								
	- [1	genome of a hepatitis B virus isolated from a naturally infected chimpanzee" Figure 1. copy contained in								
		attached FH of Serial No. 10/453,792								
		J. General Virology (1988), vol 69, OKAMOTO F et al, pp. 2575-83, "Typing hepatitis B virsu by homology in nucleotide sequence: comparison of surface antigen subtypes" Figure 1. copy contained in attached FH of								
		Serial No. 10/453,792		i of surface antigen subtypes" Figur	e 1. copy cont	ained in att	ached F	H Of		
		Gene (1988), vol. 64, RIVKINA M et al, pp. 285-96, "Nucleotide sequence of integrated hepatitis B virus DNA								
		and human flanking re	egions in the	e genome of the PLC/PRF/5 cell line	e" Figure 5. co	py containe	d in atta	ached		
ŀ	$\dashv$	FH of Serial No. 10/45		NORDER H of Cl == 4244 C #O-	notic roleted		No Dec			
	J General Virology (1993), vol. 74, NORDER H et al, pp 1341-8, "Genetic relatedness of hepatitis B viral strains of diverse geographical origin and natural variations in the primary structure of the surface antige Figure 2. copy contained in attached FH of Serial No. 10/453,792									
*Examin	er	/Bo Peng/		Date Considered	08/28	3/2007				

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

\*Examiner

/Bo Peng/

Antiviral Chemistry & Chemotherapy 12:1-35 (2001). copy contained in attached FH of Serial No. 10/453,792

Date Considered

Form PTO-FB-A820 (Also PTO-1449)

N8/28/2007

Sheet 3 SERIAL NO. ATTY, DOCKET NO. INFORMATION DISCLOSURE JUN 14 CITATION 2551-123 10/606.879 **APPLICANT** STERICA TRA STUYVER, et al. FILING DATE (Use several sheets if necessary) GROUP June 24, 2003 1648 U.S. PATENT DOCUMENTS **EXAMINER** FILING DATE DATE NAME INITIAL DOCUMENT NUMBER **CLASS SUBCLASS** IF APPROPRIATE FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT DATE COUNTRY CLASS SUBCLASS YES NO OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) Aye et al, "Hepatitis B virus polymerase mutations during antiviral therapy in a patient following liver /BR/ transplantation", Journal of Hepatology, 1997; 26: 1148-1153. copy contained in attached FH of Serial No. 10/453,792 de Man et al. "The sequential occurrence of viral mutations in a liver transplant recipient re-infected with hepatitis B: hepatitis B immune globulin escape, famciclovir non-response, followed by lamivudine resistance resulting in graft loss", Journal of Hepatology, 1998; 29: 669-675. copy contained in attached FH of Serial No. 10/453.792 Ho et al, "A Family Cluster of an Immune Escape Variant of Hepatitis B Virus Infecting a Mother and Her Two Fully Immunized Children", Clinical and Diagnostic Laboratory Immunology, 1995, Vol. 2, No. 6, pp 760-762. copy contained in attached FH of Serial No. 10/453,792 Weiss et al. "The HBV-Producing Cell Line HepG2-4A5: A New in vitro System for Studying the Regulation of HBV Replication and for Screening Anti-Hepatitis B Virus Drugs", Virology 216:214-218, 1996, copy contained in attached FH of Serial No. 10/453,792 Poch et al, "Identification of four conserved motifs among the RNA-dependent polymerase encoding elements", EMBO Journal 8:3867-3874, 1989. copy contained in attached FH of Serial No. 10/453,792 **Date Considered** \*Examiner /Bo Pena Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

2006/12/20

Sheet 1 of 1

INFORMATION DISCLOSURE ATTY DOCKET NO.							SERIAL NO.				
CITATION				2551-123			10/606,879				
				APPLIC	CANT						
			•	STU	YVER et al						
(	Use	sev	veral sheets if necessary)	FILING DATE			GROUP				
				June 24, 2003			1648				
					S. PATENT DOCI			· · ·			
*EXAMIN	ER			0.0	S. FAILNI DOC	DIVICIATO			FILING	DATE	
INITIAI		_	DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	IF APPROPRIATE		
	<u>.</u>	L									
		L									
		L									
		L									
						·					
				<u> </u>				l			
		·		FOR	EIGN PATENT D	OCUMENTS					
										LATION	
			DOCUMENT	DATE	COU	NTRY	CLASS	SUBCLASS	YES	NO	
										<u> </u>	
							•			<u> </u>	
										}	
		Π									
			OTHER DOCUM								
	BLUM, H.E., "Variants of Hepatitis B, C and D Viruses: Molecular Biology and Clinical Significance" Diges								gestion		
<u> </u>	<del> </del> -	1 00.00-93 (1993)								otologi	
			HARRISON, T.J., "Genetic Variation in Hepatitis B Virus" European Journal of Gastroenterology & Hepatol								
-	╁	╁	8(4): 306-311 (1996)  CARMAN ET AL., "Molecular Variants of Hepatitis B Virus" Hepatitis and Chronic Liver Disease. 16(2): 407-								
			428 (6/1996)								
		LING ET AL., "Selection of Mutations in the Hepatitis B Virus Polymerase During Therapy of Transplant								it	
	L	<u> </u>	Recipients With Lamivudine" Hepatology 24(3): 711-713 (9/1996)								
			NI ET AL., "A New Immune Escape Mutant of Hepatitis B Virus with an Asp to Ala Substitution in aa144 of th								
-	┢	$\vdash$	Envelope Major Protein" (Res. Virol. 146:397-407, 1995)  ZHANG ET AL., "Analysis of Hepatitis B Virus Genotypes and Pre-Core Region Variability During Interferon								
	1		Treatment of HBe Antigen Negative Chronic Hepatitis B" (Journal of Medical Virology 48:8-16, 1996)								
	Γ	Ī	RODRIQUEZ-FRIAS ET AL., "Hepatitis B Virus Infection: Precore Mutants and Its Relation to Viral Genotype								
	L		and Core Mutations" (Hepatology 22(6): 1641-1647, 1995)								
1			NORDER, "Comparison of the Amino Acid Sequences of Nine Different Serotypes of Hepatitis B Surface								
			Antigen and Genomic Classification of the Corresponding Hepatitis B Virus Strains" (Journal of General Virology 73:1201-1208, 1992)								
-	$\vdash$	$\vdash$	BLUM, "Naturally occurring missense mutation in the polymerase gene terminating hepatitis B virus replication							lication	
\	1		Journal of Virology, A								
	<b>V</b>										
xaminer		_	_/Bo Per	ng/		Date Considered	0	9/03/2007			
xaminer:	Initia	al if r	eference considered, whether o	r not citation is	n conformance with MPEP 60	9; Draw line through citat			considered	. Include	

Form PTO-FB-A820 (Also PTO-1449)